

## OPINION 1975

### ***Musca geniculata* De Geer, 1776 and *Stomoxys cristata* Fabricius, 1805 (currently *Siphona geniculata* and *Siphona cristata*; Insecta, Diptera): specific names conserved by the replacement of the lectotype of *M. geniculata* by a neotype**

**Keywords.** Nomenclature; taxonomy; Insecta; Diptera; TACHINIDAE; *Siphona*; *Siphona geniculata*; *Siphona cristata*.

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#### **Ruling**

- (1) Under the plenary power all previous fixations of type specimens for the nominal species *Musca geniculata* De Geer, 1776 are hereby set aside and the male neotype collected in Sweden and kept in the Museum of Zoology, Lund University, and labelled 'Sk. Dalby, Ö. Mölla, 21.VII.1989, leg. R. Danielsson', is hereby designated as the neotype.
- (2) To the entry on the Official List of Specific Names in Zoology for *Musca geniculata* De Geer, 1776 is hereby added an endorsement recording that the species is defined by the neotype designated in (1) above.
- (3) The name *cristata* Fabricius, 1805, as published in the binomen *Stomoxys cristata* and as defined by the holotype in the Zoological Museum, University of Copenhagen, is hereby placed on the Official List of Specific Names in Zoology.

#### **History of Case 3084**

An application for the conservation of the specific names of *Musca geniculata* De Geer, 1776 and *Stomoxys cristata* Fabricius, 1805 by the replacement of the lectotype for *M. geniculata* by a neotype was received from Dr Benno Herting and Dr Hans-Peter Tschorsnig (*Staatliches Museum für Naturkunde, Stuttgart, Germany*) and Dr James E. O'Hara (*Eastern Cereal and Oilseed Research Centre, Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada*) on 26 February 1998. After correspondence the case was published in BZN 56: 235–239 (December 1999). Notice of the case was sent to appropriate journals.

The names of *Siphona* Meigen, 1803 and of its type species, *Musca geniculata* De Geer, 1776, were placed on Official Lists in Opinion 1008 (June 1974). However, the identity of the type material of *M. geniculata* was not then an issue.

#### **Decision of the Commission**

On 1 December 2000 the members of the Commission were invited to vote on the proposals published in BZN 56: 237–238. At the close of the voting period on 1 March 2001 the votes were as follows:

Affirmative votes — 20: Alonso-Zarazaga, Bock, Bouchet, Brothers, Calder, Cogger, Eschmeyer, Kerzhner, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Papp, Patterson, Rosenberg, Song, Štys

Negative votes — 1: Ng.

No votes were received from Dupuis, Mawatari and Ride.

Voting for, Bouchet commented: 'The transfer of the name *Siphona geniculata* (De Geer, 1776) to another species is unwarranted in view of the body of literature (para. 6 of the application) that has used it in the sense of the proposed neotype'. Voting against, Ng commented: 'I am not totally convinced that the name changes set out in para. 8 of the application will cause dramatic confusion. The switch of names does not affect the concept of the genus, and the changes were made by an expert in the group'.

### Original references

The following are the original references to the name placed on an Official List, and to the endorsement added to the entry on an Official List, by the ruling given in the present Opinion: *cristata*, *Stomoxys*, Fabricius, 1805, *Systema antliatorum secundum ordines, genera, species*, p. 281. *geniculata*, *Musca*, De Geer, 1776, *Mémoires pour servir à l'histoire des insectes*, vol. 6, p. 38.